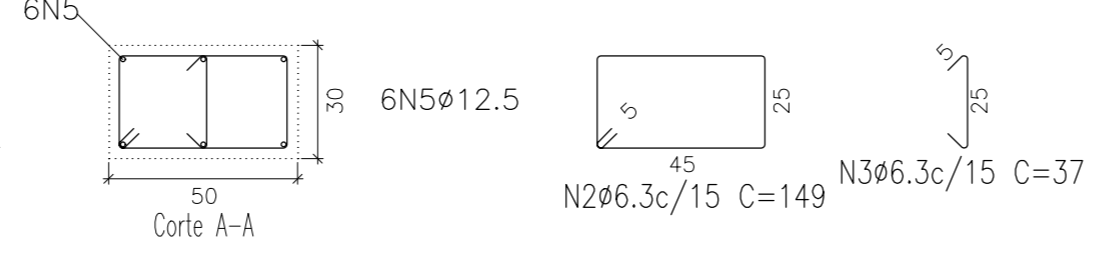
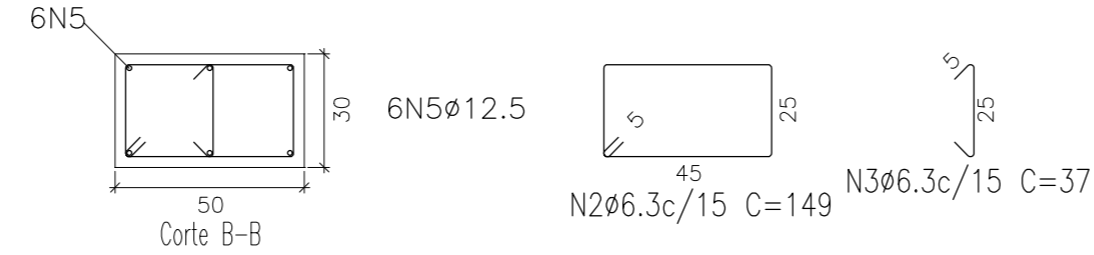
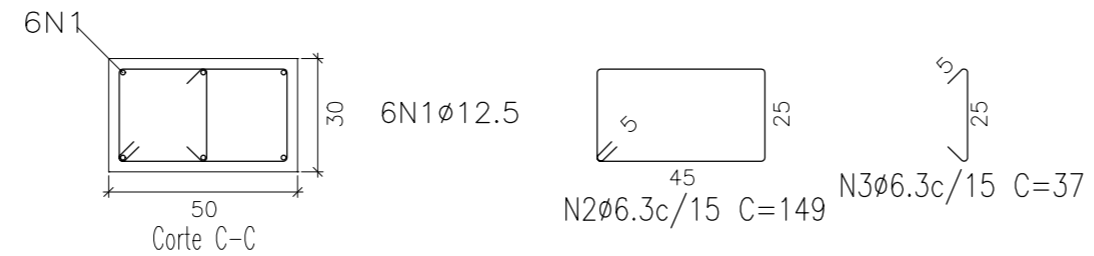
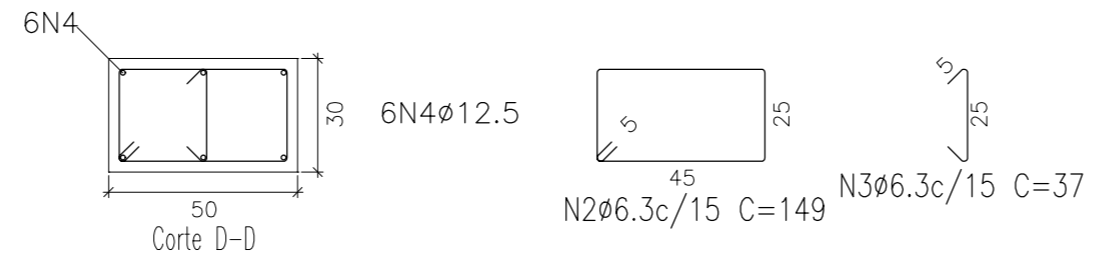


P1=P2=P3=P4

Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 4 (cm)
1	Ø12.5	6	345	2070	8280
2	Ø6.3	47	149	7003	28012
3	Ø6.3	47	37	1739	6956
4	Ø12.5	6	315	1890	7560
5	Ø12.5	6	170	1020	4080

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
P1=P2=P3=P4	1	Ø12.5	6	288 1.35	345	2070	19.9		
	2	Ø6.3	47	5 45	149	7003	17.2		
	3	Ø6.3	47	5 25	37	1739	4.3		
	4	Ø12.5	6	297 80	315	1890	18.2		
	5	Ø12.5	6	82 13 46	170	1020	9.8		
Total+10% (x4):							76.3		
							Ø6.3:	94.4	0.0
							Ø12.5:	210.8	0.0
Total:							305.2	0.0	



Escala 1:20

Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m³)
		Volume (m³)	Fôrmas (m²)	Longitudinal (kg)	Estribos (kg)	Total +10% (kg)	
Laje Caixa d'agua	50x30	1.80	4.80	18.2	9.1	30.0	15.17
Travamento		2.22	5.92	19.9	11.4	34.4	14.10
Total (x4)		16.08	42.88	152.6	82.0	257.6	14.58

Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø6.3	349.7	94	
Ø12.5	199.2	211	305

Pilares que nascem em Travamento e chegam em Laje Caixa d'agua  
 Concreto: C30, em geral  
 Aço das barras: CA-50 e CA-60  
 Aço dos estribos: CA-50 e CA-60

	<b>PREFEITURA MUNICIPAL DE COLATINA</b>		<b>SEMOB</b> SECRETARIA MUNICIPAL DE OBRAS	
	PROJETO: ESTRUTURAL		ENDEREÇO: RUA FIORAVANTE ROSSI-N°2568-BAIRRO MARTINELLI. COLATINA-ES	
RESPONSÁVEL: FELIPE D. TOREZANI CREA/ES 446116/D		ESCALA: INDICADO	DATA: 05/2021	CONTEÚDO: DETALHAMENTO DE PILARES
			<b>6/7</b>	